

Hands-on course on opening mouse blood brain barrier with focused ultrasound in UHF-MR system

The course is focused on the application of MR-compatible focused ultrasound for opening of the blood brain barrier and its quantification by MR perfusion imaging; it will provide the participants with general knowledge from this field.

3 April 2024

PROGRAM:

Theoretical part – presentations

Radovan Jirik 9:00 – 9:30 Introduction to UHF-MRI Focused Ultrasound

9:30 – 10:00 COFFEE BREAK - REFRESHMENT

Jiri Vitous 10:00 – 11:00 DCE-MRI and processing data in Perflab

NMR group 11:00 – 11:30 The facility tour

11:30 – 12:15 LUNCH BREAK – REFRESHMENT

Practical part – hands-on

Eva Drazanova 12:15 – 12:45 Animal set-up and anesthesia

Radovan Jirik 12:45 – 16:00 Preparation of contrast agent and MRI pulse sequences, acquisition of MRI data

Participation is free of charge.

LOCATION:

Laboratories of Magnetic Resonance,
Institute of Scientific Instruments
of the Czech Academy of Sciences,
Kralovopolska 147, Brno

REGISTRATION:

<https://forms.office.com/r/C8yqHsBekY>



Eva Drazanova
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